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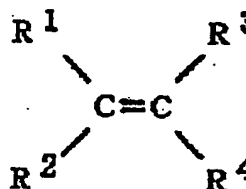
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TITLE : BROMINATION OF  
FLUORINE-CONTAINING OLEFINS



ABSTRACT : PROBLEM TO BE SOLVED: To provide a method by which the bromination of a fluorine-containing olefin is performed without using light while suppressing byproduct.

SOLUTION: Fluorine-containing olefins of the formula [R<sup>1</sup> is F, CF<sub>3</sub>, CHF<sub>2</sub>, CH<sub>2</sub>F, CF<sub>2</sub>R<sup>5</sup> or CHF<sub>2</sub>R<sup>5</sup>; R<sup>2</sup>, R<sup>3</sup> and R<sup>4</sup> are each the same or different F, H or R<sup>6</sup>; R<sup>5</sup> and R<sup>6</sup> are each the same or different lower alkyl group (having a substituent)], [e.g. 3,3,3-trifluoropropene] is brominated to produce a fluorine-containing brominated hydrocarbons. A metal powder such as antimony or a Lewis acid is allowed to coexist with the reaction system.

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